Multi-Function Data Flyer Exploration Questions

1. Generate a data set based on the following situation. Record the height and arm span of each student in the class and create a graph with height on the x-axis and arm span on the y-axis. Try to fit these data points with an equation. Graph your line and data points on a coordinate plane.

2. Graph two different types of equations (such as a linear and a quadratic) that both have multipliers as part of the argument of the function. Observe and compare what happens to the graphs when its multiplier decreases and increases. What changes? Why does this change?

3. Graph two different types of equations (such as a linear and a quadratic) that both have constants added to the function. Observe and compare what happens to the graphs when its constant decreases and increases. What changes? Why does this change?

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